| Index of Claims   | Application No.    | Applicant(s) |                  |  |  |  |  |  |
|---|--------------------|--------------|------------------|--|--|--|--|--|
|   | 10/603,945         | KROITZSCH    | KROITZSCH ET AL. |  |  |  |  |  |
|   | Examiner           | Art Unit     |                  |  |  |  |  |  |
| <b>88</b> 480 (1880 88118 8111) 88188 11118 18111 81881 8111 1881 | John A. Tweel, Jr. | 2636         |                  |  |  |  |  |  |

| 1 | Rejected |   | (Through numeral)<br>Cancelled | N    | Non-Elected  | Α | Appeal   |
|---|----------|---|--------------------------------|------|--------------|---|----------|
| = | Allowed  | ÷ | Restricted                     | 1    | Interference | 0 | Objected |
| _ | Data     |   | Claim                          | )ata | Claim        | _ | Data     |

| Cla          | aim      |          |          |          |                | Date           | e  |          |                 |          |  | Cla      | im       |                 |          |           | D        | ate      |        |       |    | ]  | CI   | aim      |          |                 |          | [        | ate      | e               |                 |          |   |
|--------------|----------|----------|----------|----------|----------------|----------------|--|----------|-----------------|----------|--|----------|----------|-----------------|----------|-----------|----------|----------|--------|-------|----|----|--|----------|----------|-----------------|----------|----------|----------|-----------------|-----------------|----------|---|
|              | _        |          |          |          |                |                |  |          | П               |          |  | П        | =        |                 |          |           |          | . [      | Т      | Т     | Т  | 1  |  | _        |          |                 |          |          |          |                 |                 |          |   |
| <u> </u>     | Original | 2/21/05  |          |          |                |                |  |          | ΙI              |          | 3  | <u> </u> | Original |                 |          |           |          |          |        |       |    |    | ā  | Original |          |                 |          |          |          |                 |                 |          |   |
| Final        | l Ē      | 721      |          |          |                |                | l  |          |                 |          | 1  |          | Ē        |                 |          |           |          |          |        |       |    |    | Final  | Ę        |          | Н               |          |          |          |                 |                 |          |   |
|              | 0        | 2        |          |          |                |                | l  |          |                 |          |  |          | 0        |                 |          |           |          |          |        |       |    |    |  | 0        |          |                 |          |          |          |                 |                 |          |   |
|              | 1        | 0        |          | $\dashv$ |                |                |  |          | П               | ╗        |  | _        | 51       |                 | $\neg$   |           | $\dashv$ | $\neg$   | ┪      | ┪     | 1  | 1  |  | 101      |          |                 |          |          |          |                 |                 |          |   |
|              | 2        | =        | $\top$   | 寸        |                |                |  | T        | П               |          |  | 寸        | 52       |                 |          | 寸         | 十        | 十        | 十      | +     | 1  | 1  |  | 102      |          |                 |          | -        |          |                 |                 | $\neg$   |   |
|              | 3        | =        |          | $\neg$   |                | $\vdash$       | $\vdash$   | $\vdash$ | $\vdash$        | _        |  | 7        | 53       |                 | ヿ        | $\neg$    | ┪        | +        | _      | ╅     | 1- | 1  |  | 103      |          | П               |          |          |          | _               |                 | 一        | - |
|              | 4        | =        |          | 7        |                |                |  |          | 1               | 7        | -  | 寸        | 54       | <b>.</b> 1      |          | $\neg$    | 7        | +        | +      | T     | ┰  | 1  |  | 104      |          |                 |          | _        | $\neg$   | _               |                 |          | _ |
|              | 5        | =        | $\dashv$ | ᅥ        | $\neg$         | $\vdash$       | $\vdash$   | $\vdash$ | $\vdash$        | ᅥ        | <u>                                   </u> | 7        | 55       | H               | $\dashv$ | 十         | 十        | +        | +      | +     | +- | 1  |  | 105      | $\vdash$ | $\vdash$        |          |          |          | $\vdash$        | -               | $\neg$   | _ |
|              | 6        | =        | $\dashv$ | $\dashv$ | $\neg$         | $\vdash$       | _  |          | -               | ᅥ        |  | 1        | 56       |                 | $\dashv$ | _         | 十        | _        | +      | ╅     | 1- | 1  |  | 106      | _        |                 |          |          |          | $\vdash$        |                 | $\neg$   | _ |
|              | 7        | =        | $\neg$   |          |                |                |  |          | $\vdash$        | ┪        |  | $\dashv$ | 57       | H               | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\top$ | +     | +  | 1  |  | 107      |          |                 |          |          |          |                 | $\vdash$        | _        |   |
| <del></del>  | 8        | =        |          | -        |                |                | -  |          | $\vdash$        | ┪        | -  | +        | 58       | H               | $\dashv$ | $\dashv$  | $\dashv$ | +        | $\pm$  | $\pm$ | +  | 1  |  | 108      |          |                 |          |          |          | Н               | $\dashv$        | $\dashv$ |   |
| _            | 9        | =        | $\dashv$ | $\dashv$ | $\neg$         | _              | -  |          | -               | -        | $\vdash$                                   | $\dashv$ | 59       | H               | ᅥ        | 十         | $\dashv$ | 十        | +      | ╅     | +- | 1  |  | 109      | -        | Н               |          |          | _        | -               | -               |          | _ |
|              | 10       | =        | +        | $\dashv$ | -              | -              | -  |          | -               | $\dashv$ | -  | $\dashv$ | 60       | $\vdash$        | $\dashv$ | +         | 十        | ┿        | ╅      | +     | +- | 1  | _  | 110      |          |                 | _        | $\vdash$ | -        | Н               | -               | -        | _ |
|              | (17)     | 0        | +        | $\dashv$ | $\dashv$       | $\vdash$       | <del>                                     </del> | $\vdash$ | -               | $\dashv$ | -  | $\dashv$ | 61       | $\vdash \vdash$ | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | 1  |  | 111      | -        | $\vdash$        |          | $\vdash$ | $\dashv$ | $\vdash$        | $\vdash \vdash$ | $\dashv$ |   |
|              | 12       | =        | -        | -        |                | $\vdash$       | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 62       | $\vdash$        | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | 1  | <del>                                     </del> | 112      | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | Н               | $\vdash$        | $\dashv$ | _ |
|              | 13       | =        | $\dashv$ | -        | $\dot{\dashv}$ | $\vdash$       | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 63       | $\vdash \vdash$ | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | ł  |  | 113      |          | $\vdash$        | $\vdash$ | $\vdash$ | $\dashv$ | Н               | $\vdash$        | $\dashv$ |   |
| <u> </u>     | 14       | =        | +        | -{       | -              | $\vdash$       | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 64       | $\vdash \vdash$ | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | 1  | $\vdash$   | 114      |          | $\vdash \vdash$ |          | Н        | -        | $\vdash$        | $\vdash$        | $\dashv$ |   |
|              | 15       | =        | -        | ┪        |                |                | ┢  | $\vdash$ |                 |          | -  | $\dashv$ | 65       | $\vdash$        | $\dashv$ | +         | +        | +        | ╁      | +     | +  | ┨  |  | 115      | -        | $\dashv$        |          | $\vdash$ | $\dashv$ | Н               | $\dashv$        | $\dashv$ | _ |
| -            | 16       | =        | +        | $\dashv$ | -              | H              | $\vdash$   |          | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 66       | $\vdash \vdash$ | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | 1  | -  | 116      |          | $\vdash$        |          |          | $\dashv$ | $\vdash$        | $\vdash$        | $\dashv$ |   |
| $\vdash$     | 17       | =        | $\dashv$ | ᅱ        | $\dashv$       | Н              | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 67       | $\vdash \vdash$ | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | ┨  | $\vdash$   | 117      | $\vdash$ | $\vdash \vdash$ | -        | Н        | $\dashv$ | Н               | $\vdash$        | -        |   |
| _            | 18       | =        | -        | ᆉ        | -              | $\vdash$       | -  |          | H               | -        | -  | -+       | 68       | $\vdash$        |          |           | +        |          | ╫      | +     | +  | 1  |  | 118      | _        | $\vdash$        | _        |          | $\dashv$ | -               | $\vdash$        | $\dashv$ |   |
|              | 19       | H        | $\dashv$ | $\dashv$ | -              | Н              | $\vdash$   | Н        | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 69       | $\vdash$        | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | ┨  |  | 119      | -        | $\vdash$        | $\dashv$ | Н        | $\dashv$ | Н               | $\vdash$        | $\dashv$ | _ |
|              | 20       | Н        | +        | -        | $\dashv$       | -              | <u> </u>   | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 70       | Н               | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | ł  |  | 120      |          | $\vdash$        | -        | -        | $\dashv$ |                 | $\vdash$        | $\dashv$ |   |
|              | 21       | Н        | $\dashv$ | $\dashv$ | $\dashv$       | Н              | -  | Н        | <del> </del> +  | $\dashv$ | -  | +        | 71       | $\vdash$        | $\dashv$ | -         | $\dashv$ | +        | +-     | ┿     | ╂  | ł  | <u> </u>   | 121      |          | $\vdash$        | -        |          | $\dashv$ |                 |                 | $\dashv$ |   |
|              | 22       | Н        | $\dashv$ | ┥        | $\dashv$       | -              | -  | Н        | $\vdash$        | $\dashv$ | -  | $\dashv$ | 72       | -               | -        | -         | -        |          | -      | ┿     | ╁  | ┨  |  | 122      |          | $\dashv$        | _        | Н        | $\dashv$ | $\vdash$        | -               | $\dashv$ |   |
|              | 23       | Н        | $\dashv$ | $\dashv$ | $\dashv$       |                |  | Н        | ₩               | $\dashv$ | -  | $\dashv$ | 73       | -               | $\dashv$ | $\dashv$  | +        | +        | +      | +     |    | 1  | ├──  | 123      | -        | $\dashv$        | -        | -        | $\dashv$ | -               |                 | ᅱ        |   |
|              | 24       | -        |          | -        |                |                | <u> </u>   |          | ┝               | -        | -  | -        | 74       | -               | $\dashv$ | $\dashv$  | $\dashv$ | +        | +      | +     | +  | ł  |  | 123      |          | $\vdash$        | _        | Н        | $\dashv$ | Н               |                 |          |   |
|              | 25       | Н        | $\dashv$ | ┪        |                | Н              | -  |          | ┝               | ᅱ        | $\vdash$                                   |          | 75       |                 | -        | $\dashv$  | +        | +        | +      | +     | +  | {  | <u> </u>   | 125      |          | $\dashv$        | $\dashv$ | Н        | $\dashv$ | -               | $\dashv$        | $\dashv$ |   |
|              | 26       | $\vdash$ | $\dashv$ | ┥        | $\dashv$       | Н              | -  | Н        |                 | -        | -  | -        | 76       | -               | -        |           | +        |          | +      | +     | +  | ١. |  | 126      |          | $\dashv$        | -        |          | $\dashv$ |                 | $\dashv$        | $\dashv$ | _ |
|              | 27       | $\dashv$ | $\dashv$ | ┥        | -              | Н              | $\vdash$   | Н        | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 77       | $\vdash$        | $\dashv$ | $\dashv$  | $\dashv$ | +        | +      | +     | +  |    | ├  | 127      | _        | $\dashv$        |          | Н        |          | -               | $\dashv$        |          | _ |
|              | 28       | $\dashv$ | $\dashv$ | ┥        | $\dashv$       |                | $\vdash$   | Н        | $\vdash$        | ᅥ        | $\vdash$                                   | $\dashv$ | 78       | $\vdash$        | -        | -         | +        | +        | ┿      | ╬     | +- | -  | <del> </del>                                     | 128      |          | -               | -        |          |          | $\vdash$        |                 | -        | _ |
| <u> </u>     | 29       | $\dashv$ | $\dashv$ | -        | -              | -              | -  | Н        | $\vdash$        | $\dashv$ | $\vdash$                                   | +        | 79       | $\vdash$        | $\dashv$ | $\dashv$  | $\dashv$ | +        | +      | +     |    | 1  | <u> </u>   | 129      |          | $\dashv$        | -        |          | $\dashv$ | Н               | -               | ┪        |   |
| <del> </del> | 30       |          | $\dashv$ | ┪        | -              |                |  |          | $\vdash$        |          | $\vdash$                                   | -        | 80       | H               | $\dashv$ | $\dashv$  | $\dashv$ | +        | +      | +     |    | ł  |  | 130      |          |                 | -        | -        | $\dashv$ | Н               |                 | -+       | - |
| <del> </del> | 31       | $\dashv$ | $\dashv$ | ┪        | $\dashv$       | -              | $\vdash$   | Н        | $\vdash$        | $\dashv$ | -  | $\dashv$ | 81       | $\vdash$        | $\dashv$ | $\dashv$  | $\dashv$ | +        | +      | ╁     | +- | 1  | <u> </u>   | 131      |          | $\vdash$        | -        | -        | $\dashv$ | Н               | $\dashv$        | $\dashv$ | - |
| _            | 32       | $\vdash$ |          | -        | -              | $\vdash$       | -  | Н        | $\vdash$        | $\dashv$ | -  | $\dashv$ | 82       | $\vdash$        | $\dashv$ | $\dashv$  | ┵        | +        | +      | +     | +  | 1  |  | 132      |          | $\vdash$        | $\dashv$ | H        | $\dashv$ |                 | -               |          | _ |
|              | 33       | $\vdash$ | -+       | ┥        | $\dashv$       | $\vdash$       | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ | ⊢  | $\dashv$ | 83       | $\vdash$        | $\dashv$ | $\dashv$  | +        | +        | +      | ╁     | +  | 1  | <del> </del>                                     | 133      |          | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | $\vdash$        | $\dashv$        | $\dashv$ | _ |
|              | 34       | $\vdash$ | -+       | -        |                | $\vdash$       |  | Н        | $\vdash \vdash$ | $\dashv$ | -  | -+       | 84       | $\vdash$        | $\dashv$ | $\dashv$  | +        | +        | +      | ╁     | +- | 1  | <del> </del>                                     | 134      |          | $\vdash$        | $\dashv$ | Н        | $\dashv$ |                 |                 |          |   |
| <u> </u>     | 35       | $\dashv$ | $\dashv$ | $\dashv$ | -              | $\vdash$       | $\vdash$   | Н        | $\vdash$        | $\dashv$ | -  | -        | 85       | $\vdash$        | -+       | $\dashv$  | $\dashv$ | +        | +      | ┰     | +  | 1  | <del>                                     </del> | 135      |          |                 | -        | $\vdash$ |          | $\vdash$        |                 | $\dashv$ | _ |
|              | 36       | Н        | +        | -        | -              | Н              | $\vdash$   |          | $\vdash$        | $\dashv$ | -  | $\dashv$ | 86       | $\vdash$        | -+       | -+        | -+       | +        | +      | +     | +- | 1  | <del> </del>                                     | 136      | -        | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | $\vdash$        | $\vdash$        |          |   |
|              | 37       | $\dashv$ | $\dashv$ | $\dashv$ |                | Н              | $\vdash$   |          | ⊢⊹              | ⊣        | -  | -        | 87       | $\dashv$        | ┵        |           | ┰        | -        | ┿      | ┿     | ┿  | '  | -  | 137      |          | $\vdash$        | -        | $\vdash$ | $\dashv$ |                 | $\dashv$        |          |   |
| <u> </u>     | 38       | $\vdash$ |          | -        |                | $\vdash$       | <del></del>                                      | $\vdash$ | $\vdash$        | $\dashv$ | -  | $\dashv$ | 88       | $\vdash$        | $\dashv$ | -         | $\dashv$ | +        | +      | +     | +  | 1  | <del> </del>                                     | 138      |          | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | $\vdash$        | $\dashv$        |          |   |
|              | 39       | $\vdash$ | +        | +        | -              | Н              | $\vdash$   | $\vdash$ |                 | $\dashv$ | <u> </u>                                   |          | 89       | $\vdash \vdash$ | -+       | $\dashv$  | +        |          |        | +     | +  | 1  | -  | 139      |          | $\vdash$        | _        | $\vdash$ | -        | $\vdash$        | $\dashv$        | $\dashv$ |   |
|              | 40       | $\vdash$ | +        | $\dashv$ | $\dashv$       | $\vdash$       | $\vdash$   | H        | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 90       | $\vdash \vdash$ | $\dashv$ | +         | +        | +        | +      | ┰     | +- | 1  | <del> </del> -                                   | 140      |          | $\vdash$        |          | Н        | -        | $\vdash$        |                 | $\dashv$ |   |
|              | 41       | H        | +        | +        | -              | H              | $\vdash$   | H        | $\vdash$        | $\dashv$ | <b>-</b>                                   |          | 91       | $\vdash$        | -+       | $\dashv$  | +        | +        | +      | +     | +  | 1  | <del> </del>                                     | 141      |          | $\vdash$        | $\dashv$ | Н        | -        | Н               | $\vdash$        | $\dashv$ |   |
| -            | 42       | $\vdash$ | +        | -        | -              | $\vdash$       |  | -        | $\vdash$        | $\dashv$ | -  | $\dashv$ | 92       | $\vdash$        |          | -+        | +        | -        | +      | +     | ┪— | ١. | $\vdash$   | 142      |          | $\vdash$        | -        | Н        | $\dashv$ | Н               | $\dashv$        | $\dashv$ |   |
|              | 43       | $\vdash$ | +        | -        | $\dashv$       | $\vdash$       | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ | $\vdash$                                   | $\dashv$ | 93       | $\vdash$        | $\dashv$ | $\dashv$  | +        | +        | +      | ╁     | +- | 1  |  | 143      |          | $\vdash$        |          | Н        | $\dashv$ | $\vdash$        | $\vdash$        |          |   |
|              | 44       | $\vdash$ | $\dashv$ | +        |                | Н              | $\vdash$   | $\vdash$ | $\vdash \vdash$ | $\dashv$ | $\vdash$                                   |          | 94       | $\vdash$        | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | 1  | $\vdash$   | 144      |          | $\vdash \vdash$ | $\dashv$ | $\vdash$ | $\dashv$ | Н               | $\vdash$        | $\dashv$ |   |
| <u> </u>     | 45       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$       | $\vdash\vdash$ | $\vdash$   |          | $\vdash$        | $\dashv$ | -  |          | 95       | $\vdash$        | $\dashv$ | $\dashv$  | $\dashv$ | +        | +      | +     | +  | 1  | <u> </u>   | 145      |          | $\vdash$        |          | $\vdash$ |          | $\dashv$        | $\dashv$        | -+       |   |
| <u> </u>     | 46       | $\dashv$ | +        | $\dashv$ | $\dashv$       | $\vdash$       | $\vdash$   |          | -               | $\dashv$ | -  |          | 96       | -               | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | 1  | $\vdash$   | 145      |          | $\vdash \vdash$ | $\dashv$ | $\vdash$ |          | $\vdash \vdash$ |                 |          |   |
| $\vdash$     | 47       |          | +        | ┥        | $\dashv$       | $\vdash$       | Н  | Н        | $\dashv$        | $\dashv$ | -  | $\dashv$ | 97       | $\vdash \vdash$ | $\dashv$ | $\dashv$  | +        | +        | +      | +-    | ┿  | 1  |  | 147      |          | $\vdash$        | $\dashv$ | $\vdash$ | $\dashv$ | Н               | $\dashv$        | $\dashv$ |   |
| <u> </u>     | 47       | $\vdash$ | +        | -        |                | $\vdash$       | <u> </u>   | Н        | $\vdash \vdash$ | $\dashv$ | -  |          | 98       | $\vdash$        | $\dashv$ | +         | +        | +        | +      | +     | +  | {  | <del> </del>                                     | 148      |          | $\vdash \vdash$ | _        | Н        | $\dashv$ | $\vdash$        |                 | $\dashv$ | _ |
| —            | 49       | $\vdash$ | +        | $\dashv$ |                |                | $\vdash$   |          |                 | $\dashv$ |  | +        | 99       | $\vdash$        | $\dashv$ | $\dashv$  | +        | +        | +      | +     | +  | 1  | <del> </del>                                     | 148      |          | $\vdash$        | -        | Н        | $\dashv$ | $\vdash \vdash$ |                 |          |   |
|              | 50       | $\vdash$ | -+       | +        |                |                |  |          | $\vdash \vdash$ | $\dashv$ | -  | +        | 100      | $\vdash$        | $\dashv$ | +         | +        | +        | +      | +     | +- | 1  | ├──  | 150      |          | $\vdash$        | $\dashv$ | $\vdash$ |          | $\vdash$        | $\dashv$        |          | _ |
| L            | JU       |          |          |          |                | oxdot          | L  | ш        | ш               |          | L_   |          | 100      |                 |          | $\perp$ L |          |          | L_     | ᆜᅳ    |    | J  |  | 130      |          | <u> </u>        |          |          |          |                 |                 |          |   |